

Title (en)

Dialysis solution containing sodium bicarbonate.

Title (de)

Natriumbicarbonat enthaltende Dialyselösung.

Title (fr)

Solution de dialyse contenant du bicarbonate de sodium.

Publication

EP 0417478 A1 19910320 (EN)

Application

EP 90115320 A 19900809

Priority

- JP 7553990 A 19900327
- JP 20694089 A 19890811

Abstract (en)

A sodium bicarbonate dialysate comprising an electrolyte granule A composed mainly of sodium chloride and containing no sodium bicarbonate and an electrolyte granule B containing sodium bicarbonate, wherein the granule B is granules of sodium bicarbonate primary particles having a particle size of at most 250 μm , and the particle size of the secondary particles after granulation is from 0.1 to 10 mm.

IPC 1-7

A61M 1/14

IPC 8 full level

A61M 1/16 (2006.01)

CPC (source: EP US)

A61M 1/1654 (2013.01 - EP US); **A61M 1/1666** (2014.02 - EP US)

Citation (search report)

[A] EP 0034916 A1 19810902 - VELTMAN PRESTON LEONARD

Cited by

EP1192960A1; EP0602921A1; US5540842A; US5383324A; US5605934A; US5840252A; EP1377266A4; EP2905039A1; CN105960251A; AU2015215280B2; EA037793B1; CN111895722A; US9687507B2; US7445801B2; US9724298B2; US9925155B2; US6464977B2; US9821102B2; US10993961B2; WO2015117764A1; WO0044418A1; US9616161B2; US9655922B1; US10245231B2; US10918600B2; US11253543B2; US7122210B2; US9833470B2; US10172881B2; US7186420B2; US7758900B2; US8158157B2; US8105258B2; US8529486B2; US8795517B2

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 0417478 A1 19910320; EP 0417478 B1 19950329; EP 0417478 B2 19980506; CA 2023075 A1 19910212; CA 2023075 C 19990713; DE 69018172 D1 19950504; DE 69018172 T2 19951109; DE 69018172 T3 19980806; US 5071558 A 19911210

DOCDB simple family (application)

EP 90115320 A 19900809; CA 2023075 A 19900810; DE 69018172 T 19900809; US 56415990 A 19900808